

# FARM TANKS USED TO STORE OR DISPENSE PETROLEUM PRODUCTS

As a measure to protect our environmental and groundwater resources and to provide fire safeguards, federal and state regulations were implemented for the storage of petroleum products.

Farms historically have been excluded from the more comprehensive building and operational fire codes that commercial industry and business must comply with. Bulk vehicle fuel storage on farms can pose a significant exposure factor in fire spread. The rural location and additional time required for fire department response will impact on efficient fire control. The type of storage tank system allowed on farms is dependent upon the distance of the tank from a building and/or the size of the tank.

## Underground Tanks for Heating Fuel of 4,000-Gallon or Less Capacity:

### Release Detection

No later than May 1, 2001, the heating fuel tank and piping shall undergo a tightness test and every two years thereafter.

## Underground Tanks of 1,100-Gallon or Less Capacity for Vehicle Fueling:

### Corrosion Protection

New tanks - At installation.

Existing tanks - No later than May 1, 2001, all tanks must meet the corrosion protection requirements of Comm 10 effective May 1, 1991:

- Replace existing tank with new tank meeting code requirements for corrosion protection, or
  - Upgrade with *interior lining* plus internal inspection after 10 years and every 5 years thereafter, or
  - Upgrade with *cathodic protection* if the tank was installed after May 1, 1981, or
  - Upgrade with *internal lining and cathodic protection*.
- and
- Underground piping shall be upgraded with cathodic protection.

### Spill and Overfill Protection

Underground tank must be provided with Commerce-approved devices or designs to prevent spilling associated with transfer hose detachment from the fill pipe during product transfer to the UST system. Underground tank must be provided with Commerce-approved device to alarm or prevent the filling of the tank more than 95% of capacity.

New tank - At installation.

Existing tank - No later than May 1, 2001.

## Underground Tanks Greater Than 1,100-Gallon Capacity for Vehicle Fueling:

### Corrosion Protection

- Replace existing tank with new tank meeting code requirements for corrosion protection, or
- Upgrade with *interior lining* plus internal inspection after 10 years and every 5 years thereafter, or
- Upgrade with *cathodic protection* if the tank was installed after May 1, 1981, or
- Upgrade with *internal lining and cathodic protection*, and

- Underground piping shall be upgraded with cathodic protection.

New tank - At installation.

Existing tanks - No later than December 22, 1998.

### Spill and Overfill Protection

Underground tank must be provided Commerce-approved devices or designs to prevent spilling associated with transfer hose detachment from the fill pipe during product transfer to the UST system. Underground tank must be provided with Commerce-approved device to alarm or prevent the filling of the tank more than 95% of capacity.

New tank - At installation.

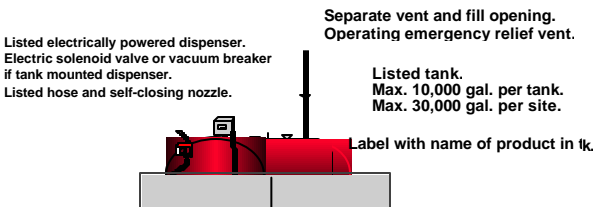
Existing tank - No later than December 22, 1998.

### Leak Detection

All underground tanks greater than 1,100-gallon capacity and all pressurized piping were required to have Commerce-approved leak detection by December 22, 1993.

## Aboveground Tanks for Vehicle Fueling Located Within 40 ft. of a Building or Greater Than 1,100-Gallon Capacity:

### Farm Tanks with Less than 40 ft. Setback or Greater than 1100 Gallon Capacity



Secondary containment 125% of tank capacity.

Tank elevated 1 ft. above floor of containment.

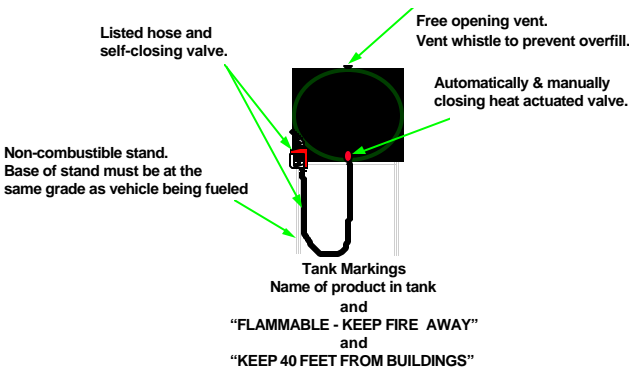
Tank set back 1 ft. from dike wall.

Rainwater removal by self-closing valve if through wall, or by gravity-siphon pump if over the wall.

Sump pumps prohibited.

## Aboveground Tanks for Vehicle Fueling Located More Than 40 ft. From a Building:

### Tanks Elevated For Gravity Discharge (Farm & Construction Sites Only!) Maximum size - 1100 gallons capacity



Note: Tank installation and upgrade requires preinstallation plan approval. Installation must be conducted under the supervision of a Comm 10 Certified Tank Installer. All underground and aboveground tanks greater than 60 gallons must be registered with Commerce.